

## ABSTRACT

The subject invention provides for a system and method that facilitates concurrent data streaming. In particular, the invention involves initiating a first operation from the optical media at time  $t_x$  and initiating at least a second operation from the optical media at time  $t_y$  while the first operation is currently in progress, wherein  $t_x \neq t_y$ . The first operation includes reading a real-time data stream to a first buffer. The second operation includes one of reading a real-time data stream and a non-real-time data stream to at least a second buffer. Furthermore, a utility-based analysis can be performed to determine whether to access the first buffer rather than to access the surface of the optical media in order to conduct the second operation. Moreover, the first and at least second operations can be performed in parallel.